INDEX TO VOLUME 23

PAGE

Addis, Thomas: Relative frequency in recruits with and without thyroid enlargement of certain signs and symptoms which occur in neurocirculatory asthenia 316

Adenomata of thyroid, unusual combination of cardiac arrhythmias of atrial origin occurring in patient with focal infections and; Lewellys F. Barker and Henry B. Richardson..... 158

Anesthesia, chloroform, influence of drugs and chemical agents on liver necrosis due to; N. C. Davis and G. H. Whipple..... 636

Anesthesia, chloroform, influence of fasting and various diets on liver injury effected by; N. C. Davis and G. H. Whipple..... 612

Anemia, basal metabolism in, with especial reference to effect of blood transfusion on metabolism in pernicious anemia; Edna H. Tompkins, Harold H. Brittingham and Cecil K. Drinker..... 441

Anemia, pernicious, studies of chemistry of; Max Kahn and Joseph Barsky 334

Anemia, plasma chlorids in: an experimental study; Edward Steinfield... 511

Antimeningococcus and antipneumococcus serums, standardization of; Augustus B. Wadsworth, Mary B. Kirkbride and Ruth Gilbert..... 269

Antipneumococcus and antimeningococcus serums, standardization of; Augustus B. Wadsworth, Mary B. Kirkbride and Ruth Gilbert..... 269

Arborization block; F. A. Willius..... 431

Arrhythmias, cardiac, of atrial origin occurring in patient with focal infections and thyroid adenomata; Lewellys F. Barker and Henry B. Richardson 158

Arthritis, nonspecific therapy in; study of changes in blood consequent on intravenous injection of typhoid protein; consideration of analogy between typhoid paroxysm and malarial paroxysm; David Murray Cowie and Henrietta Calhoun..... 69

Asthenia, neurocirculatory, relative frequency in recruits with and without thyroid enlargement of certain signs and symptoms which occur in neurocirculatory asthenia; Thomas Addis and William J. Kerr..... 316

Asthma, bronchial, treatment with vaccines; I. Chandler Walker..... 220

Bacillus botulinus, toxin formation by variety of, when cultivated aerobically under various conditions: its possible production in animal body; L. P. Shippen..... 346

Bailey, C. V.: Studies on alimentary hyperglycemia and glycosuria..... 455

Barker, Lewellys F.: Unusual combination of cardiac arrhythmias of atrial origin occurring in patient with focal infections and thyroid adenomata 158

PAGE

Barsky, Joseph: Studies of chemistry of pernicious anemia..... 334

Bigelow, George H.: Nonepidemic "epidemic" meningitis..... 723

Blood, citrated, cause of reactions following transfusion of; Cecil K. Drinker and Harold H. Brittingham..... 133

Blood, diastatic activity of, in cancer, syphilis and diabetes; H. H. DeNiord and B. F. Schreiner..... 484

Blood sugar in diabetes mellitus, clinical significance of; John R. Williams and Eleanor M. Humphreys..... 546

Blood sugar in nephritis and other diseases, clinical significance of; John R. Williams and Eleanor M. Humphreys..... 537

Blood transfusion, basal metabolism in anemia with especial reference to effect of blood transfusion on metabolism in pernicious anemia; Edna H. Tompkins, Harold H. Brittingham and Cecil K. Drinker..... 441

Book Review: Radio-Diagnosis of Pleuro-Pulmonary Affections; F. Barjon 655

Bowman, Karl M.: Epidemic cerebrospinal meningitis observed at General Hospital No. 6, Fort McPherson, Ga., winter of 1917 and 1918..... 17

Brendel, Frank P.: Report on goiter among draft men from the northwest 61

Brittingham, Harold H.: Basal metabolism in anemia with especial reference to effect of blood transfusion on metabolism in pernicious anemia 441

Brittingham, Harold H.: Cause of reactions following transfusion of citrated blood 133

Brittingham, Harold H.: Plasmaphaeresis in treatment of chronic nephritis and uremia 304

Brock, Samuel: Epidemic of influenza at Camp Merritt, N. J..... 582

Brown, R. O.: Etiology of cholecystitis and its production by injection of streptococci 185

Calhoun, Henrietta: Nonspecific therapy in arthritis and infections..... 69

Camac, C. N. B.: Epidemic cerebrospinal meningitis observed at General Hospital No. 6, Fort McPherson, Ga., winter of 1917 and 1918..... 17

Cancer, diastatic activity of blood in cancer, syphilis and diabetes; H. H. DeNiord and B. F. Schreiner..... 484

Cantharis, physiologic action of; S. Morgulis and A. L. Muirhead..... 190

Carbohydrate diet, rapid construction of liver cell protein on strict carbohydrate diet contrasted with fasting; mechanisms of protein sparing action of carbohydrate; N. C. Davis, C. C. Hall and G. H. Whipple.. 689

Carter, Edward Perkins: Observations on occurrence of inverted and diphasic P-waves in Lead III of human electrocardiogram..... 1

Cerebral complications of mumps with report of nine cases; Russell L. Haden 737

Chloroform and phosphorus poisoning, mechanism of protective action of carbohydrate diet in; J. P. Simonds..... 362

Chloroform anesthesia, influence of drugs and chemical agents on liver necrosis of; N. C. Davis and G. H. Whipple..... 636

PAGE

Chloroform anesthesia, influence of fasting and various diets on liver injury effected by; N. C. Davis and G. H. Whipple..... 612

Chloroform injury, liver regeneration following, as influenced by various diets; mechanism of protein sparing action of fat; N. C. Davis and G. H. Whipple..... 711

Choked disk and hydrocephalus in dogs; Louis H. Korndер..... 197

Cholecystitis, etiology of, and its production by injection of streptococci; R. O. Brown..... 185

Cowie, David Murray: Nonspecific therapy in arthritis and infections.... 69

Cyanosis, capillary, chronic; Lovell Langstroth..... 56

Dannenberg, Arthur M.: Poliomyelitis, clinically atypical because of complicating infection by proteus-like bacillus..... 309

Davis, N. C.: Influence of drugs and chemical agents on liver necrosis of chloroform anesthesia 636

Davis, N. C.: Influence of fasting and various diets on liver injury effected by chloroform anesthesia..... 612

Davis, N. C.: Liver regeneration following chloroform injury as influenced by various diets..... 711

Davis, N. C.: Rapid construction of liver cell protein on a strict carbohydrate diet contrasted with fasting..... 689

DeNiord, H. H.: Diastatic activity of blood in cancer, syphilis and diabetes 484

Diabetes, diastatic activity of blood in cancer, syphilis and diabetes; H. H. DeNiord and B. F. Schreiner..... 484

Diabetes mellitus, clinical significance of blood sugar in; John R. Williams and Eleanor M. Humphreys..... 546

Diabetes mellitus, observations on tolerance and rate of utilization of glucose in series of individuals exhibiting various degrees of; John R. Williams and Eleanor M. Humphreys..... 559

Drinker, Cecil K.: Basal metabolism in anemia with especial reference to effect of blood transfusion on metabolism in pernicious anemia.... 441

Drinker, Cecil K.: Cause of reactions following transfusion of citrated blood 133

Drinker, Cecil K.: Plasmaphaeresis in treatment of chronic nephritis and uremia 304

Electrocardiogram, clinical significance of slight notching of R-wave of; Alfred M. Wedd..... 515

Electrocardiogram, observations on occurrence of inverted and diphasic P-waves in Lead III of human electrocardiogram; Edward Perkins Carter and Alfred M. Wedd..... 1

Erythrocytes, human, oxygen consumption of; George A. Harrop, Jr..... 745

Fatigue disease as exemplified in functional disorders of stomach and thyroid gland; John Rogers..... 498

Fatigue in irritable heart and other conditions; John T. King, Jr..... 527

PAGE

Gases, war, physiology and experimental treatment of poisoning with; Frank P. Underhill 753

Gay, Leslie N.: Leukocytic studies on soldiers with irritable hearts 603

Gettler, Alexander O.: Differentiation of nephropathies, cardiopathies and allied conditions by determination of physical constants 235

(Correction) 408

Gilbert, Ruth: Standardization of antipneumococcus and antimeningococcus serums 269

Glucose, observations on tolerance and rate of utilization of, in series of individuals exhibiting various degrees of diabetes mellitus; John R. Williams and Eleanor M. Humphreys 559

Glycosuria, studies on alimentary hyperglycemia and; C. V. Bailey 455

Goiter among draft men from the northwest, report on; Frank P. Brendel and H. M. Helm 61

Gordon, Alfred: Chronic form of meningococcus meningitis 150

Haden, Russell L.: Cerebral complications of mumps 737

Hall, C. C.: Rapid construction of liver cell protein on a strict carbohydrate diet contrasted with fasting 689

Harrop, George A., Jr.: Oxygen consumption of human erythrocytes 745

Headaches, pituitary, and their cure; Irving H. Pardee 174

Heart disease, differentiation of nephropathies, cardiopathies and allied conditions by determination of physical constants; Alexander O. Gettler and Ruth Oppenheimer 235

(Correction) 408

Heart, fatigue in irritable heart and other conditions; John T. King, Jr.. 527

Hearts, irritable, leukocytic studies on soldiers with; Leslie N. Gay 603

Helm, H. M.: Report on goiter among draft men from the northwest 61

Herrick, W. W.: Extrameningeal meningococcus infection 409

Hirschfelder, Arthur D.: Clinical studies on effects of louse bites—pediculus corporis 419

Humphreys, Eleanor M.: Clinical significance of blood sugar in diabetes mellitus 546

Humphreys, Eleanor M.: Clinical significance of blood sugar in nephritis and other diseases 537

Humphreys, Eleanor M.: Observations on tolerance and rate of utilization of glucose in series of individuals exhibiting various degrees of diabetes melitus 559

Hydrocephalus and choked disk in dogs; Louis H. Kornder 197

Hyperglycemia, alimentary glycosuria and, studies on; C. V. Bailey 455

Infections, focal, unusual combination of cardiac arrhythmias of atrial origin occurring in patient with focal infections and thyroid adenomata; Lewellys F. Barker and Henry B. Richardson 158

PAGE

Influenza, epidemic of, at Camp Merritt, N. J.; Francis M. Rackemann and Samuel Brock 582

Influenza epidemic of 1918 in American Expeditionary Forces in France and England; Ward J. MacNeal 657

Kahn, Max: Studies on chemistry of pernicious anemia 334

Kerr, William J.: Relative frequency in recruits with and without thyroid enlargement of certain signs and symptoms which occur in neurocirculatory asthenia 316

Kidney disease, differentiation of nephropathies, cardiopathies and allied conditions by determination of physical constants; Alexander O. Gettler and Ruth Oppenheimer 235
(Correction) 408

King, John T., Jr.: Fatigue in irritable heart and other conditions 527

Kirkbride, Mary B.: Standardization of antipneumococcus and antimeningococcus serums 269

Kornder, Louis H.: Hydrocephalus and choked disk in dogs 197

Langstroth, Lovell: Chronic capillary cyanosis 56

Leukocytic studies on soldiers with irritable hearts; Leslie N. Gay 603

Liver cell protein, rapid construction of, on a strict carbohydrate diet contrasted with fasting; mechanism of protein sparing action of carbohydrate; N. C. Davis, C. C. Hall and G. H. Whipple 689

Liver injury due to chloroform anesthesia, influence of fasting and various diets on; N. C. Davis and G. H. Whipple 612

Liver necrosis of chloroform anesthesia, influence of drugs and chemical agents on; N. C. Davis and G. H. Whipple 636

Liver regeneration following chloroform injury as influenced by various diets; mechanism of protein sparing action of fat; N. C. Davis and G. H. Whipple 711

Louse bites, clinical studies on effects of; Arthur D. Hirschfelder and William Moore 419

MacNeal, Ward J.: Influenza epidemic of 1918 in American Expeditionary Forces in France and England 657

Meningitis, cerebrospinal, epidemic, observed at General Hospital No. 6, Fort McPherson, Ga., winter of 1917 and 1918; C. N. B. Camac and Karl M. Bowman 17

Meningitis, clinical study of, based on 215 cases; Willard J. Stone and Ralph C. P. Truitt 282

Meningitis, "epidemic," nonepidemic; George H. Bigelow 723

Meningitis, meningococcic, epidemic among Chinese civil population, experiences with; Peter K. Olitsky 380

Meningitis, meningococcus, chronic form of; Alfred Gordon 150

Meningococcus infections, extrameningeal; W. W. Herrick 409

Moore, William: Clinical studies on effect of louse bites—pediculus corporis 419

PAGE

Morgulis, S.: Physiologic action of cantharis 190

Muirhead, A. L.: Physiologic action of cantharis 190

Mumps: See Parotitis

Nephritis, chronic, and uremia, plasmaphaeresis in treatment of; James P. O'Hare, Harold H. Brittingham and Cecil K. Drinker 304

Nephritis, clinical significance of blood sugar in nephritis and other diseases; John R. Williams and Eleanor M. Humphreys 537

O'Hare, James P.: Plasmaphaeresis in treatment of chronic nephritis and uremia 304

Olitsky, Peter K.: Experiences with recent epidemic of meningococcic meningitis among Chinese civil population 380

Oppenheimer, Ruth: Differentiation of nephropathies, cardiopathies and allied conditions by determination of physical constants 235
(Correction) 408

Oxygen consumption of human erythrocytes; George A. Harrop, Jr.... 745

Pancreatic ferment, further studies concerning essential nature of antitryptic activity of normal serum and physiologic function of; H. Wago 33

Pancreatic ferments, observations concerning pathology of; H. Wago.... 251

Pardee, Irving H.: Pituitary headaches and their cure 174

Parotitis, cerebral complications of mumps with report of nine cases; Russell L. Haden 737

Phosphorus and chloroform poisoning, mechanism of protective action of carbohydrate diet in; J. P. Simonds 362

Physical constants, differentiation of nephropathies, cardiopathies and allied conditions by determination of; Alexander O. Gettler and Ruth Oppenheimer 235
(Correction) 408

Pituitary headaches and their cure; Irving H. Pardee 174

Plasma chlorids in anemia: an experimental study; Edward Steinfield... 511

Plasmaphaeresis in treatment of chronic nephritis and uremia; James P. O'Hare, Harold H. Brittingham and Cecil K. Drinker 304

Pneumonia, biochemical studies of pneumonic exudates with special reference to mechanism of crisis in; Charles Weiss 395

Pneumonic exudates, biochemical studies of, with special reference to mechanism of crisis in pneumonia; Charles Weiss 395

Poliomyelitis, clinically atypical because of complicating infection by proteus-like bacillus; Oscar T. Schultz and Arthur M. Dannenberg.. 309

Protein, liver cell, rapid construction of, on a strict carbohydrate diet contrasted with fasting; mechanism of protein sparing action of carbohydrate; N. C. Davis, C. C. Hall and G. H. Whipple 689

Protein therapy, nonspecific therapy in arthritis and infections; study of changes in blood consequent on intravenous injection of typhoid protein; consideration of analogy between typhoid paroxysm and malarial paroxysm; David Murray Cowie and Henrietta Calhoun 69

PAGE

Rackemann, Francis M.: Epidemic of influenza at Camp Merritt, N. J.. 582

Richardson, Henry B.: Unusual combination of cardiac arrhythmias of atrial origin occurring in patient with focal infections and thyroid adenomata 158

Rogers, John: Fatigue disease as exemplified in functional disorders of stomach and thyroid gland..... 498

Schreiner, B. F.: Diastatic activity of blood in cancer, syphilis and diabetes 484

Schultz, Oscar T.: Poliomyelitis, clinically atypical because of complicating infection by proteus-like bacillus..... 309

Serum, further studies concerning essential nature of antitryptic activity of normal serum and physiologic function of pancreatic ferments; H. Wago 33

Serums, antipneumococcus and antimeningococcus, standardization of; Augustus B. Wadsworth, Mary B. Kirkbride and Ruth Gilbert..... 269

Shippen, L. P.: Toxin formation by variety of B. botulinus when cultivated aerobically under various conditions: its possible production in animal body..... 346

Simonds, J. P.: Mechanism of protective action of carbohydrate diet in phosphorus and chloroform poisoning..... 362

Steinfield, Edward: Plasma chlorids in anemia: an experimental study.. 511

Stomach, fatigue disease as exemplified in functional disorders of stomach and thyroid gland; John Rogers..... 498

Stone, Willard J.: Clinical study of meningitis based on 215 cases..... 282

Sugar in blood in diabetes mellitus, clinical significance of; John R. Williams and Eleanor M. Humpreys..... 546

Sugar in blood in nephritis and other diseases, clinical significance of; John R. Williams and Eleanor M. Humphrey..... 537

Syphilis, diastatic activity of blood in cancer, syphilis and diabetes; H. H. DeNiord and B. F. Schreiner..... 484

Thyroid adenomata, unusual combination of cardiac arrhythmias of atrial origin occurring in patient with focal infections and; Lewellys F. Barker and Henry B. Richardson..... 158

Thyroid enlargement, relative frequency in recruits with and without thyroid enlargement of certain signs and symptoms which occur in neurocirculatory asthenia; Thomas Addis and William J. Kerr..... 316

Thyroid gland, fatigue disease as exemplified in functional disorders of stomach and; John Rogers..... 498

Tompkins, Edna H.: Basal metabolism in anemia with especial reference to effect of blood transfusion on metabolism in pernicious anemia..... 441

Truitt, Ralph C. P.: Clinical study of meningitis based on 215 cases..... 282

Typhoid protein, study of changes in blood consequent on intravenous injection of typhoid protein; David Murray Cowie and Henrietta Calhoun.. 69

Underhill, Frank P.: Physiology and experimental treatment of poisoning with lethal war gases..... 753

PAGE

Uremia, plasmaphaeresis in treatment of chronic nephritis and; James P. O'Hare, Harold H. Brittingham and Cecil K. Drinker..... 304

Wadsworth, Augustus B.: Standardization of antipneumococcus and antimeningococcus serums 269

Wago, H.: Further studies concerning essential nature of antitryptic activity of normal serum and physiologic function of pancreatic ferments 33

Wago, H.: Observations concerning pathology of pancreatic ferments..... 251

Walker, I. Chandler: Treatment of bronchial asthma with vaccines..... 220

War gases, lethal, physiology and experimental treatment of poisoning with; Frank P. Underhill..... 753

Wedd, Alfred M.: Clinical significance of slight notching of R-wave of electrocardiogram 515

Wedd, Alfred M.: Observations of occurrence of inverted and diphasic P-waves in Lead 111 of human electrocardiogram..... 1

Weiss, Charles: Biochemical studies of pneumonic exudates..... 395

Whipple, G. H.: Influence of drugs and chemical agents on liver necrosis of chloroform anesthesia..... 636

Whipple, G. H.: Influence of fasting and various diets on liver injury effected by chloroform anesthesia..... 612

Whipple, G. H.: Liver regeneration following chloroform injury as influenced by various diets..... 711

Whipple, G. H.: Rapid construction of liver cell protein on a strict carbohydrate diet contrasted with fasting..... 689

Williams, John R.: Clinical significance of blood sugar in diabetes mellitus 546

Williams, John R.: Clinical significance of blood sugar in nephritis and other diseases 537

Williams, John R.: Observations on tolerance and rate of utilization of glucose in series of individuals exhibiting various degrees of diabetes mellitus 559

Willius, F. A.: Arborization block..... 431